IMPORTANT INSTRUCTIONS - OPERATING MANUAL

AD Series **Range Hood**

READ AND SAVE THESE INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE OR MAINTAIN THE PRODUCT DESCRIBED. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE!

RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.

GENERAL SAFETY INFORMATION

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to person, including the following:

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND INJURY TO PERSON, OBSERVE THE FOLLOWING:

1. Read all instructions before installing or using range hood.
2. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
3. Before servicing or cleaning the unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
4. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-related construction.
5. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA) and the American Society for Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), and the local code authorities.

CAUTION: FOR GENERAL VENTILATING USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS AND VAPORS.

6. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.

CAUTION: TO REDUCE THE RISK OF FIRE AND TO PROPERLY EXHAUST AIR, BE SURE TO DUCT AIR OUTSIDE - DO NOT VENT EXHAUST AIR INTO SPACES WITHIN WALLS OR CEILINGS OR INTO ATTICS, CRAWL SPACES, OR GARAGES.

7. This unit must be grounded.
8. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID-STATE SPEED CONTROL DEVICE.

WARNING: TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.

b) Always turn hood ON when cooking at high heat or when flambéing food (ie. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambé).

c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan filter.

d) Use proper pan size. Always use cookware appropriate for the size of the surface element.

WARNING: TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:

a) SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.

b) NEVER PICK UP A FLAMING PAN - You may be burned.

c) DO NOT USE WATER, including wet dishcloths or towels - a violent steam explosion will result.

d) Use an extinguisher ONLY if:

I. You know you have a Class ABC extinguisher, and you already know how to operate it.

II. The fire is small and contained in the area where it started.

III. The fire department is being called.

IV. You can fight the fire with your back to an exit.

WARNING: TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.

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INSTALLATION INSTRUCTIONS

1. Unpack hood from the carton and confirm that all pieces are present. In addition to the range hood you should have:
   - 1 - Aluminum Grease/Charcoal Filter
   - 4 - #8 Mounting Screws
   - 1 - Instruction/Safety Sheet
2. Lay the hood flat on a table so the underside is facing you. Use a piece of cardboard to avoid damaging the table or the hood.
3. Remove wire compartment cover screw and then lamp cover by squeezing the two tabs together **(Figure 1)**.

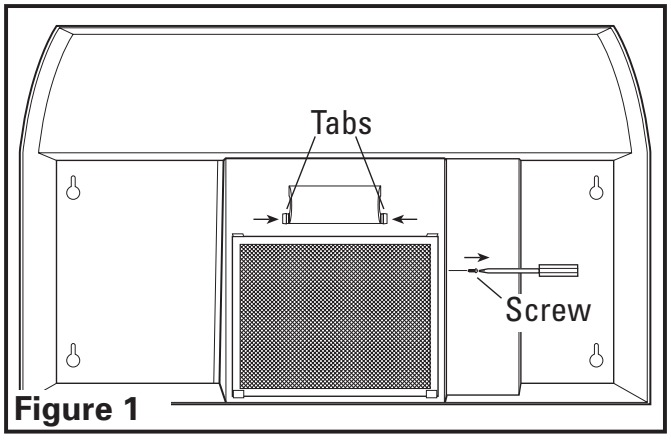

Figure 1

4. Install a 60 watt maximum type A19 bulb and reinstall the lamp cover.

Prepare the location for Hood Support

1. If the hood will be installed under cabinets that have a recessed bottom, it will be necessary to install wood mounting strips (not included) so the hood will mount properly **(Figure 2)**.

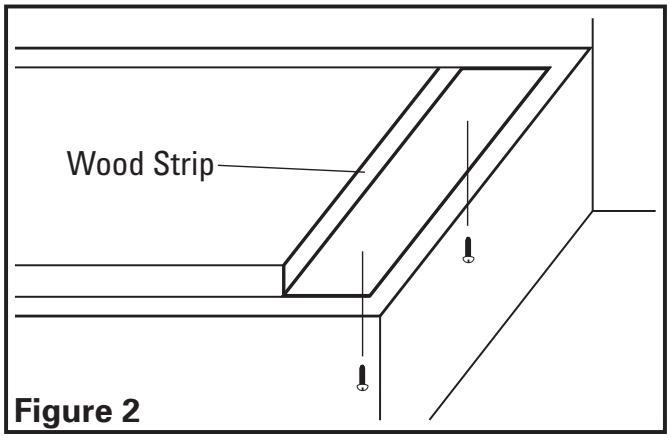

Figure 2

2. The thickness of the strips should be the same as the recess of the cabinet and they should be approximately 2" wide.
3. Install the strips using appropriate length wood screws (not included). Make sure the strips line up to the keyhole slots of the range hood.

Prepare the Hood for Installation

1. Determine where the electrical service will enter the hood and remove the appropriate electrical knockout by inserting a screw driver into the slot and rocking back and forth until the knockout comes loose **(Figure 3)**.

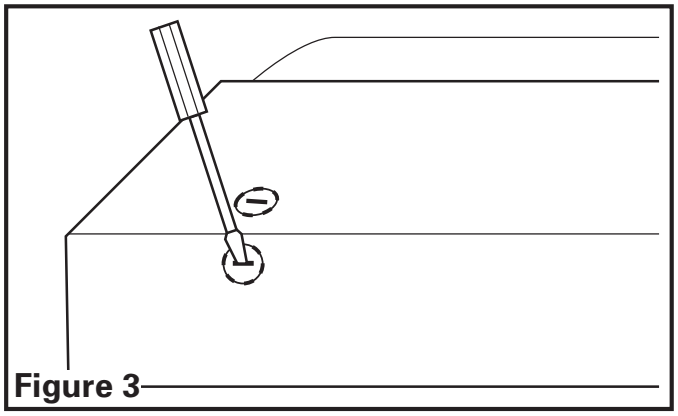
Figure 3

CAUTION: MAKE SURE POWER IS SWITCHED OFF AT SERVICE PANEL BEFORE STARTING INSTALLATION.

Installing the Range Hood

1. Once the proper knockout(s) have been removed, either hold the hood up to the installation location and mark the locations of the ducting (if applicable), electrical, and mounting holes or mark the locations by measurement.
2. Cut appropriate holes for ducting connection (if applicable) and electrical connection in the wall/cabinet.
3. Install an approved wire connector to the electrical knockout of the hood and guide the electrical cable through the hood, allowing at least 6" of wire for connections and tighten.
4. Install the 4 mounting screw at the previously marked locations. Leave approximately 1/8" clearance. Slide the hood in place through the keyhole slots and align the front of the hood so that it is flush with the front of the cabinets. Tighten all screws securely **(Figure 4)**.

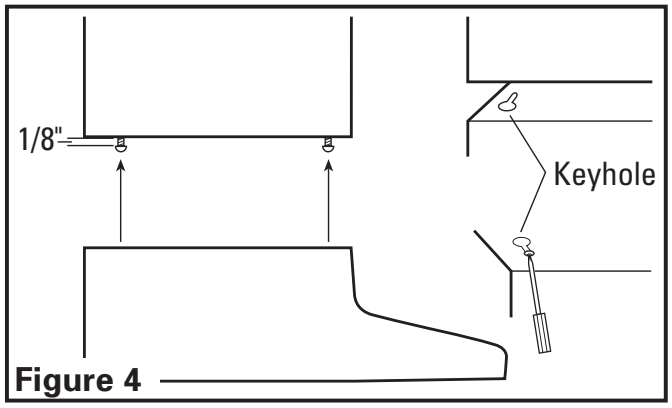

Figure 4

Wiring

CAUTION: ALL ELECTRICAL CONNECTIONS MUST BE MADE IN ACCORDANCE WITH LOCAL CODES, ORDINANCES, OR NATIONAL ELECTRICAL CODE. IF YOU ARE UNFAMILIAR WITH METHODS OF INSTALLING ELECTRICAL WIRING, SECURE THE SERVICES OF A QUALIFIED ELECTRICIAN.

1. Connect the 2 loose White wires from the range hood to the White wire from the supply, and the loose Black wire from the range hood to the Black wire of the supply. Connect the ground wire (green or bare) from the supply to the green ground screw of the hood. Use approved methods for all connections **(Figure 5)**.

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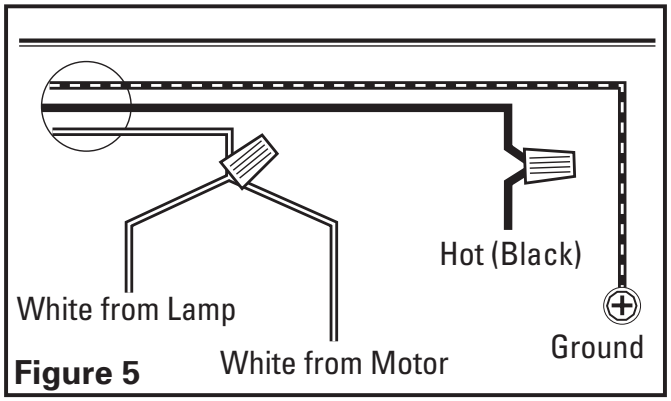

Figure 5

NOTE: DO NOT disconnect any wiring that has already been crimped with a wire connector from the factory.

2. Replace the wire compartment cover and tighten screw. Make sure all wiring is securely contained within the wire compartment.

Ducting (if applicable)

CAUTION: ALL DUCTING MUST COMPLY WITH LOCAL AND NATIONAL BUILDING CODES.

1. Your range hood comes ready for ductless operation, and no additional ducting is required.

Finishing the Installation

1. Install the appropriate filter sliding the back side of the filter into the tab and pressing the front of the filter into place **(Figure 6)**.

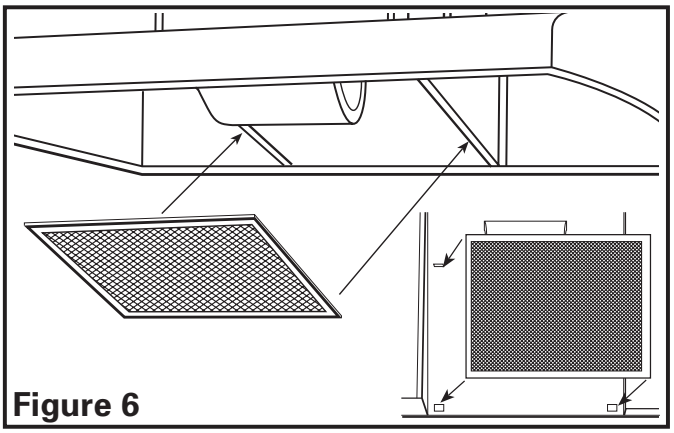
Figure 6

2. Turn switches to the "OFF" position and restore power. Test that the light and the fan are operating properly.
3. If there is any vibration noise, check for the source and try to tighten fasteners.

Operation

Controls

Your Range Hood is equipped with two rocker style switches with one controlling the lighting and the other controlling the exhaust fan. The light switch has two positions, ON (●) and OFF (○). The fan is a three position switch, HIGH (●●), LOW (●), and OFF. OFF is the middle position of the switch.

Maintenance

CAUTION: MAKE SURE POWER IS SWITCHED OFF AT SERVICE PANEL BEFORE SERVICING THE UNIT.

Filters

Grease/Charcoal Filter - Your range hood is equipped with a combination grease/charcoal filter. This filter cannot be washed and must be discarded and replaced when it has become noticeably dirty, has stopped filtering the odors, or at least once per year. Replace with Air King Model RF55 Combination Odor/Grease Filter.

Cleaning

CAUTION: DO NOT USE GASOLINE, BENZINE, THINNER, HARSH CLEANSERS, ETC., AS THEY MAY DAMAGE THE RANGE HOOD.

1. Clean your range hood with a mild detergent, such as dishwashing liquid, and dry with a soft cloth. **NEVER USE ANY ABRASIVE PADS OR SCOURING POWDERS.** Completely dry before restoring power. **NEVER IMMERSE ELECTRICAL PARTS IN WATER.**
2. The fan assembly can be vacuumed when build up (dirt, lint, etc.) accumulates over time. The fan is permanently lubricated and does not require oiling.

Troubleshooting Guide

1. Hood does not operate when the switch is on.	1a. A fuse may be blown or a circuit tripped. 1b. Wiring is not connected properly.	1a. Replace fuse or reset circuit breaker. 1b. Turn off power to unit. Check that all wires are connected
2. Hood is operating, but air moves slower than normal.	2. Filter needs replacing.	2. Check filter for build up and replace if necessary.
3. Hood is making a rattling noise.	3a. Motor is loose. 3b. Filter is loose.	3a. Turn off power to unit. Remove filter, check that all screws are fully tightened. 3b. Turn off power to unit. Check that filter is tight.

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LIMITED WARRANTY

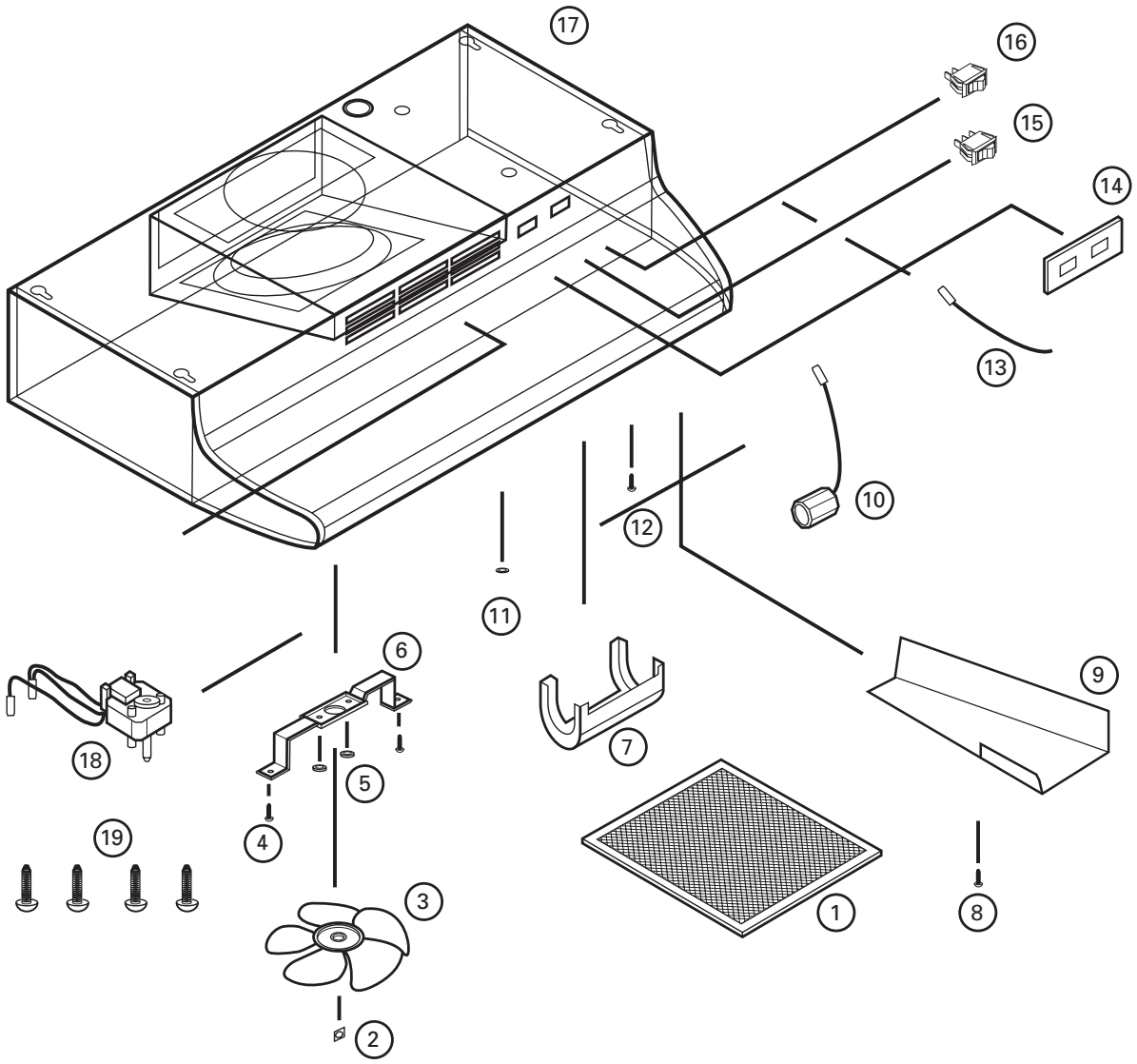
All products manufactured by Air King Limited are warranted for one year from the date of purchase against defects in workmanship and/or material. In addition, all ventilating/exhaust fans, heaters, combination fan lights and/or heaters, and range hoods are guaranteed for five years from the date of purchase against defects in workmanship and/or material.

This warranty does not cover any labor or shipping costs or the cost of replacement components as part of routine maintenance such as: range hood grease filters, charcoal filters or combination charcoal/grease filters; replacement light bulbs in range hoods or bathroom fan/light/bulb heater combinations. As well, any damage or failure caused by abuse, misuse, abnormal usage, faulty installation, or improper maintenance will not be covered by this warranty.

In order to make a claim on this warranty, you must be the original consumer of the product. You will be required to present to Air King the original bill of sale showing: date of purchase, place of purchase and model purchased. Failure to meet these requirements will void your warranty.

Air King will not be held responsible for any bodily injury or damages to personal property or real estate whether caused directly or indirectly by the product. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages and some states do not allow limitations on how long an implied warranty lasts, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state and province to province.

REPLACEMENT PARTS DIAGRAM



#	Description	Replacement Part #
1	Filter RF55	5S4108001
2	Push Nut	5S4199001
3	Fan Blade	5S4199002
4	#8 B Screw	5S1999015
5	Hex Nut	5S1999006
6	Motor Bracket	5S4199003
7	Light Lens	5S4199004
8	#6 AB Screw	5S1999004
9	Wire Compartment Cover	5S4199005
10	Lamp Holder	5S4199006
11	Bushing	5S1999016
12	#10 Ground Screw	5S1999002
13	Jumper Wire	5S4199007
14	Switch Plate - White	5S1421003
	Biscuit	5S1421004
	Almond	5S1421005
	Black	5S1421006

#	Description	Replacement Part #
15	Motor Switch - White	5S1418003
	Biscuit	5S1418004
	Almond	5S1418005
	Black	5S1418006
16	Light Switch - White	5S1419003
	Biscuit	5S1419004
	Almond	5S1419005
	Black	5S1419006
17	Wrapper -21"	5S1425010
	24"	5S1425020
	30"	5S1425030
	36"	5S1425040
18	Motor	5S2199001
19	#8 Screw	5S1999017

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